

# (12) UK Patent Application (19) GB (11) 2 360 637 (13) A

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(51) INT CL<sup>7</sup>

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(52) UK CL (Edition S )

H2E ECCM ECSX

(56) Documents Cited

FR 002638907 A

(58) Field of Search

UK CL (Edition S ) H2E ECCM ECSB ECSD ECSX  
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Online:EPODOC,JAPIO,WPI

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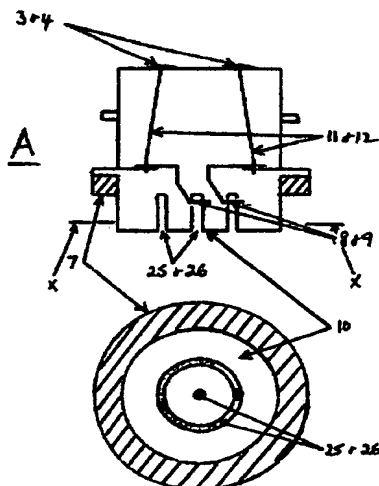
(54) Abstract Title

**A magnetic adaptor for a standard lamp to ease removal of the bulb**

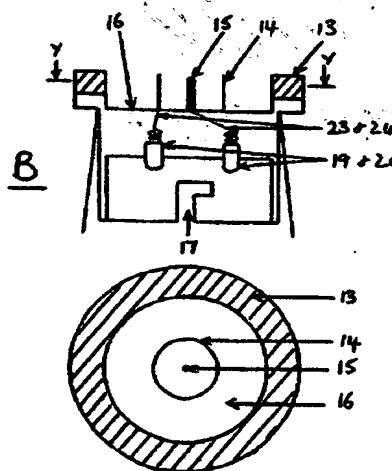
(57) An adaptor which is designed to make removal and replacement of a lamp easier and safer for the user. Part A will fit into an existing lamp holder whilst pad B will accept a 'standard' lamp.

The two parts slot together, coupling being maintained by magnetic discs (7 and 13) on both pads. Electrical continuity is achieved by connection between sprung metal contacts (8 and 9) recessed in pad A and concentric conductive metal contacts (14 and 15) on part B.

## 1. BAYONET FITTING



DETAIL FROM X

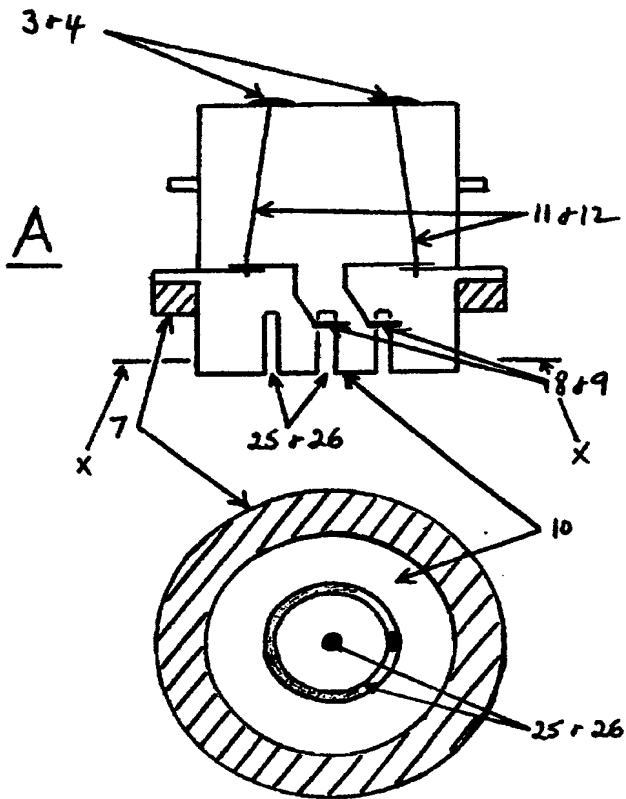


DETAIL FROM Y

The claims were filed later than the filing date but within the period prescribed by Rule 25(1) of the Patents Rules 1995.

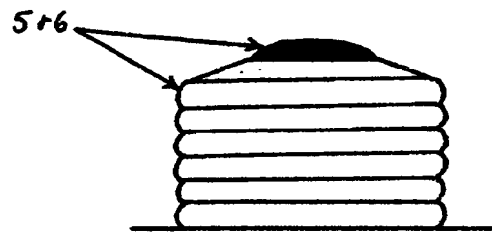
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# 1. BAYONET FITTING



DETAIL FROM X

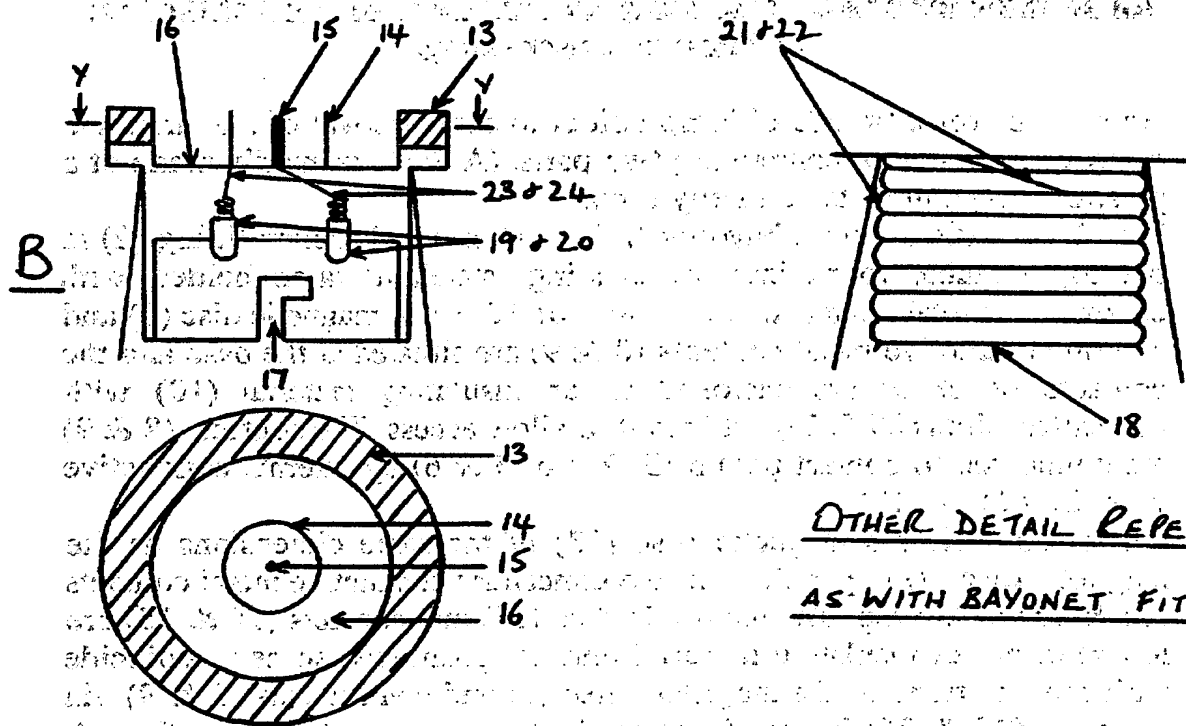
# 2. SCREW FITTING



OTHER DETAIL REPEATED  
AS WITH BAYONET FITTING

# 1. BAYONET FITTING

# 2. SCREW FITTING



OTHER DETAIL REPEATED

AS WITH BAYONET FITTING

DETAIL FROM Y

### **DESCRIPTION**

#### **An adaptor for a 'standard' lamp holder to ease removal of the lamp and improve user safety.**

An adaptor for a 'standard' lamp holder to ease removal of the lamp and improve user safety; comprising two parts, (A & B), primarily made of a plastic insulating material of any kind.

Part A comprises a male bayonet fitting (1) or a male screw fitting (2) at the top suitable to fit into an existing 'standard' lamp holder, with conductive metal contact points (3 & 4 or 5 & 6). A magnetic disc (7) and sprung conductive metal contacts (8 & 9) are situated at the base and the contacts (8 & 9) are enclosed in an insulating material (10) with concentric slots (25 & 26) cut into it to allow access. The contacts (8 & 9) are connected to contact points (3 & 4 or 5 & 6) by internal conductive wire links (11 & 12).

Part B comprises a magnetic disc (13) of the same dimensions as the magnetic disc (7) in part A with two concentric conductive metal contacts (14 & 15) at the top. The magnetic disc (13) and contacts (14 & 15) are mounted on an insulating material and are positioned so as to coincide with the positions of the magnetic disc (7) and contact pins (8 & 9) via the slots (25 & 26) in part A when the two parts are fitted together. A female bayonet fitting (17) or a female screw fitting (18) is situated at the base to accept a 'standard' lamp with conductive metal contact points (19 & 20 or 21 & 22) connected to the contacts (14 & 15) by internal conductive wire links (23 & 24).

### **CLAIMS**

1. An adaptor for a 'standard' lamp holder to ease removal and replacement of the lamp and improve user safety comprising two parts primarily made of a plastic insulating material.
2. An adaptor for a 'standard' lamp holder as claimed in claim 1 wherein the upper part is designed to fit into a standard bayonet or screw fitting lamp holder.
3. An adaptor for a 'standard' lamp holder as claimed in claim 1 wherein the lower part is designed to accept a standard bayonet cap or screw fitting lamp.
4. An adaptor for a 'standard' lamp holder as claimed in preceding claims wherein coupling of the upper and lower parts is maintained by magnetic discs on both parts.
5. An adaptor for a 'standard' lamp holder as claimed in preceding claims wherein electrical continuity is provided by sprung conductive metal contacts in the upper part which coincide with concentric conductive metal contacts on the lower part.
6. An adaptor for a 'standard' lamp holder as claimed in preceding claims wherein the contacts in the upper part are recessed in an insulating material to ensure user safety.
7. An adaptor for a 'standard' lamp holder substantially as described herein with reference to all aspects of the accompanying drawing.



INVESTOR IN PEOPLE

Application No: GB 0006782.7  
Claims searched: 1-7

Examiner: Brendan Churchill  
Date of search: 27 June 2001

**Patents Act 1977**  
**Search Report under Section 17**

**Databases searched:**

UK Patent Office collections, including GB, EP, WO & US patent specifications, in:

UK Cl (Ed.S): H2E (ECSB, ECSD, ECSX, ECCM)

Int Cl (Ed.7): H01R

Other: Online: EPODOC, JAPIO, WPI

**Documents considered to be relevant:**

| Category | Identity of document and relevant passage   | Relevant to claims |
|----------|---|--------------------|
| X        | FR 2638907 A (DALMAU & TILHOS) see figs 1 & 2, see also WPI Abstract Accession No. 1999-195862/26 | 1-6                |

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|---|---|---|--|
| X | Document indicating lack of novelty or inventive step   | A | Document indicating technological background and/or state of the art.  |
| Y | Document indicating lack of inventive step if combined with one or more other documents of same category. | P | Document published on or after the declared priority date but before the filing date of this invention.          |
| & | Member of the same patent family  | E | Patent document published on or after, but with priority date earlier than, the filing date of this application. |